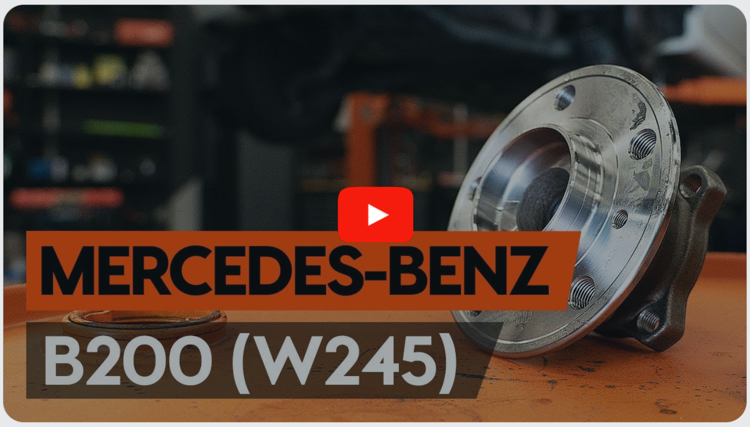
AUTODOC CLUB

How to change rear wheel bearing on **Mercedes W245** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) E-CELL (169.090), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 150 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ B-Class (W245) B 180 CDI (245.207), MERCEDES-BENZ B-Class (W245) B 200 CDI (245.208), MERCEDES-BENZ B-Class (W245) B 170 (245.232), MERCEDES-BENZ B-Class (W245) B 200 TURBO (245.234), MERCEDES-BENZ B-Class (W245) B 150 (245.231), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334), MERCEDES-BENZ B-Class (W245) B 170 NGT (245.233), (+ 5)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – MERCEDES W245. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Torx bit T30
- Drive socket # E10
- Drive socket # 13
- Drive socket # E16
- Drive socket # 16
- Wheel impact socket #H12
- Ratchet wrench
- Torque wrench
- Impact screwdriver
- Tap wrench
- Crow bar
- Hub slide hammer puller
- Wheel chock

BUY TOOLS

Replacement: wheel bearing – Mercedes W245. Professionals recommend:

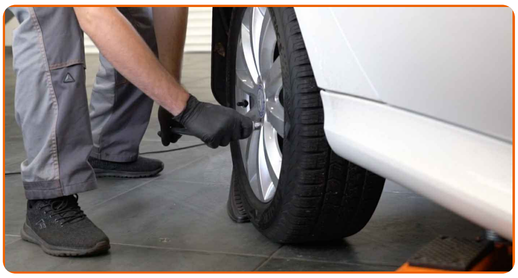
- Do not re-use the bearing assembly of your Mercedes W245 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – MERCEDES W245. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #H12.



3 Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



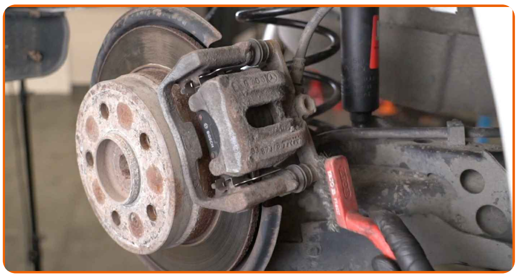
Replacement: wheel bearing – Mercedes W245. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

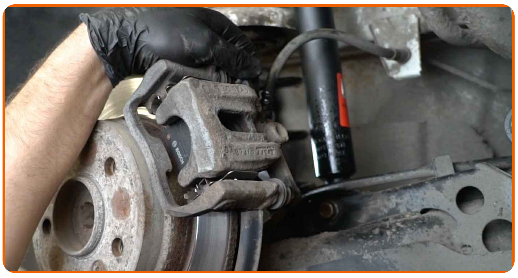
5 Remove the wheel.



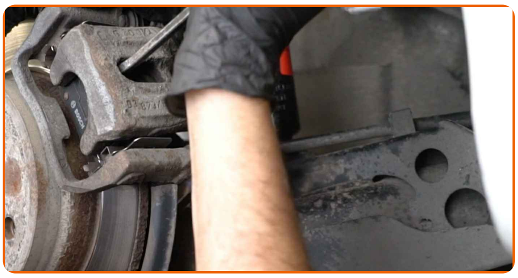
6 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



7 Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



8 Spread the brake pads. Use a crowbar.



9 Remove the brake caliper.

Replacement: wheel bearing – Mercedes W245. AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

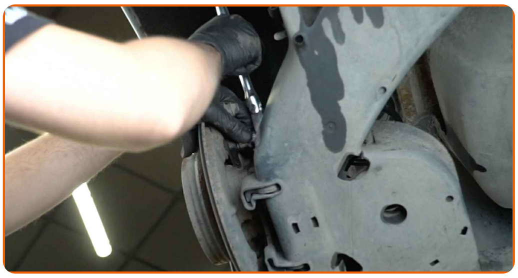
10 Remove the brake pads.



11 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



12 Unscrew the caliper bracket fastening. Use a drive socket #16. Use a tap wrench. Use a ratchet wrench.



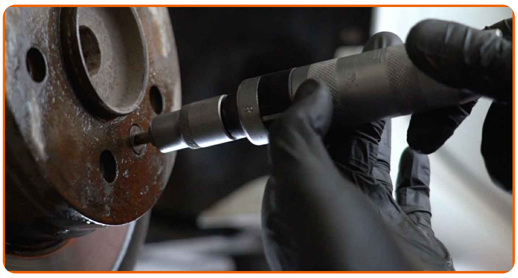
13 Remove the caliper bracket.



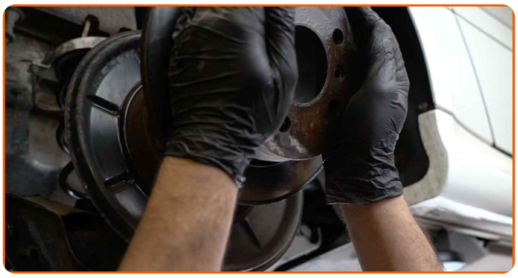
14 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.



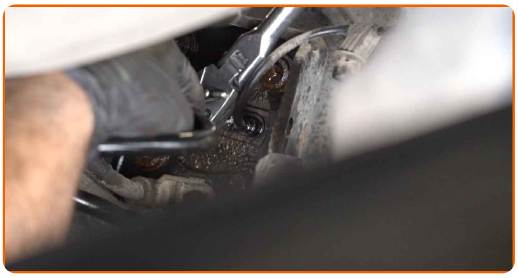
16 Remove the brake disc.



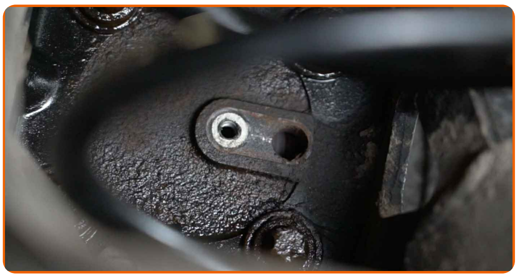
17 Clean the fasteners of the wheel hub bearing. Use a wire brush. Use WD-40 spray.



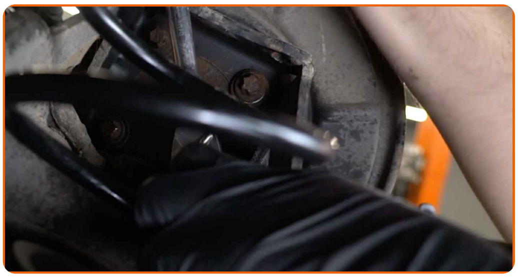
18 Unscrew the ABS sensor fastener. Use a drive socket #E10. Use a ratchet wrench.



19 Disconnect the ABS sensor.



20 Unscrew the hub bearing mounting. Use a drive socket #E16. Use a ratchet wrench.



21 Remove the hub and the bearing together, since they are a sealed unit. Use the hub slide hammer puller.



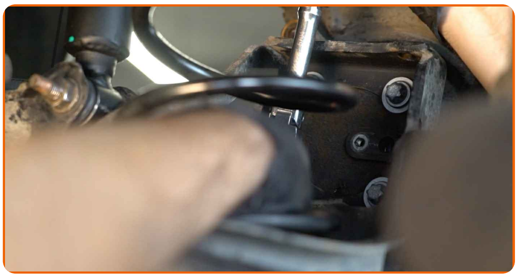
22 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



23 Install the new wheel hub with a bearing.



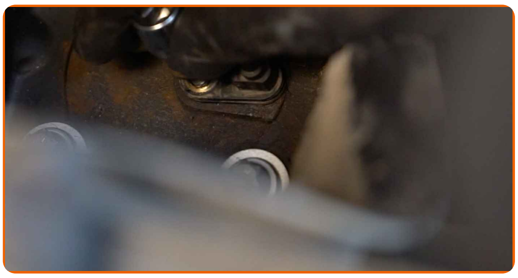
24 Tighten the fastener of the wheel hub bearing. Use a drive socket #E16. Use a torque wrench. Tighten it to 120 nm torque.



Replacement: wheel bearing – Mercedes W245. Tip:

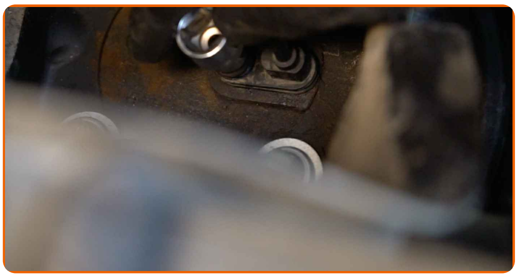
- The wheel bearing unit must not tilt on the axle pin.

25 Connect the ABS sensor.



26

Screw in the ABS sensor fastener. Use a drive socket #E10. Use a torque wrench. Tighten it to 9 Nm torque.



27

Treat the fasteners of the wheel hub bearing. Use copper grease.



28

Install the brake disc.



29

Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 9 Nm torque.



30 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – Mercedes W245. After applying the spray, wait a few minutes.

31 Install the brake caliper bracket.



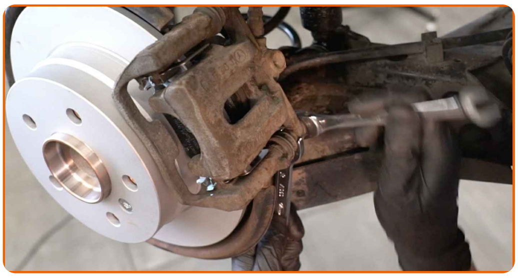
32 Tighten the brake caliper bracket. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



33 Install the brake pads.



34 Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



35 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



36 Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – Mercedes W245. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

37 Install the wheel.



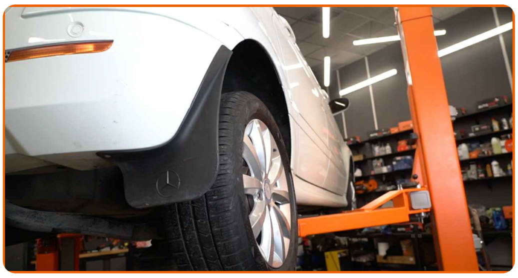
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W245

38 Screw in the wheel bolts. Use wheel impact socket #H12.



39 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #H12. Use a torque wrench. Tighten it to 130 Nm torque.



40

Remove the jacks and chocks.

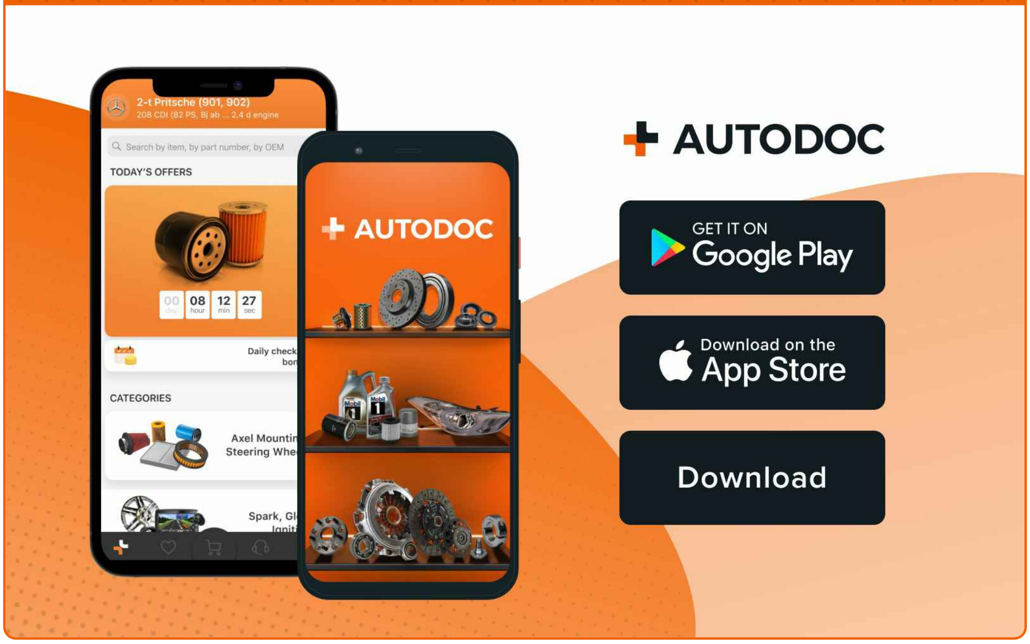


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